



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

August 30, 1984

Mr. LeRoy Fyock
Environmental Specialist
Chevron Resources Company
Manila Star Route
Vernal, Utah 84078

Dear Mr. Fyock:

Re: Division comments on proposed Revision to Approved MRP for
Vernal Phosphate Operations, ACT/047/007, Uintah County, Utah

Please find the enclosed comments which reflect the Division's concerns relevant to Chevron's proposed revision. Resolution of these concerns is essential prior to the expiration of the public comment period and presentation to the Board of Oil, Gas and Mining.

Should you have any questions please call.

Sincerely,

A handwritten signature in cursive script, reading "Susan C. Linner".

Susan C. Linner
Reclamation Biologist/
Permit Supervisor

jvb
cc: Jim Smith
Tom Portle
99470

Chevron Resources Company
Vernal Phosphate
Revision to Approved MRP
ACT/047/007
Uintah County, Utah

August 27, 1984

Rule M-3(1) Hydrology - DD

- (b) The applicant shall show the locations of all inactive mines within the areas of Panels "D", "E", "F", "G" and "H" and describe the type of mines they were.
- (d) The applicant shall describe the natural drainage system for Panels "D", "E", "F", "G" and "H". Describe and outline drainage areas, describe the types of flow for each stream channel and label all water bodies and streams on and adjacent to Panels "D", "E", "F", "G" and "H" other than those shown in the mine plan for panels "A", "B", "C" and "D".

The applicant should show the extent of all french drains that are proposed for Panels "D", "E", "F", "G" and "H".

The applicant should state in writing the plan for mining in the vicinity of Little Brush Creek and Burnt Cabin Gorge, i. e. plans for buffer zone, types of crossings and stream protection plans.

It is unclear how the percolation basins function. Could the applicant supply a typical cross-section down to and including the Weber Sandstone to illustrate this operation.

- (f) The applicant should include in the mine plan a map indicating any test boring and core holes in or adjacent to Panels "D", "E", "F", "G" and "H".

The applicant shall submit a geologic map and a stratigraphic cross-section of the area containing Panels "D", "E", "F", "G" and "H".

The applicant should identify the depth of various water bearing strata. To supply this information the applicant should use well data, core hole data or published reports.

RULE M-3 (2) - DD

- (c) The applicant shall discuss if the tailings dam is of sufficient size to accommodate the additional tailings produced from Panels "D", "E", "F", "G" and "H". Any other means of tailings storage should be outlined.

RULE M-5 Surety Guarantee - PGL

Per a telephone conversation with O. LeRoy Fyock on August 14, 1984, the estimated reclamation bond to be posted will be \$2,000,000 for the entire project. He said that he would have it be effective October 1, 1984.

RULE M-8 - DD

The applicant shall submit on an annual basis on or before January 1st of each year a report detailing the status of the surface hydrology. Included in the report shall be a discussion of the hydrologic structures used to control disturbed area runoff, methods of separating undisturbed area runoff from disturbed area runoff, a list of areas controlled by ponds or catch basins and a description of the effects mining has had on the hydrologic regime. A map should accompany the report and show the locations of all ditches, diversions, berms, ponds, catch basins, french drains, culverts and flow directions.

RULE M-10 - PGL

The reclamation of the tunnel and/or bridge must be addressed.

Plans addressing the road crossing and tunnel must be submitted as soon as possible for the Division of Oil, Gas and Mining review, and at least two weeks prior to initiation of construction.

RULE M-10(14) Soils - TLP

On page 8 of 12, item 23C.1 the applicant indicates that soil removal will be to a depth of 7.5 inches but that soil cover after redistribution will be six (6) inches. Please clarify. Submit a new dated page with any necessary corrections or explanations.